Uniden®

Atlantis 200

TWO-WAY VHF MARINE RADIO

RADIO VHF MARITIME

OWNER'S MANUAL
GUIDE D'UTILISATION

Making a Distress Call

For future reference, write your boat's name & call sign here:

Speak slowly - clearly - calmly.

1. Make sure your radio is on.
2. Press the ***16/9-TRI*** button to switch to Channel 16 (156.8 MHz). (If the display does not show 16, press the ***16/9-TRI*** button again until it does.)
3. Press the ***PUSH TO TALK*** button and say: "**MAYDAY -- MAYDAY -- MAYDAY**."
4. Say "**THIS IS** {name of your boat (three times) and call sign/boat registration number (once)}."
5. Repeat "**MAYDAY** {name of your boat}" once.
6. Tell where you are: (what navigational aids or landmarks are near, or read the latitude and longitude from your GPS).
7. State the nature of your distress (e.g. sinking, medical emergency, man overboard, on fire, adrift, etc.).
8. State the type of assistance you need (medical, towing, pumps, etc.).
9. Give the number of persons aboard and describe the condition of any injured persons.
10. Estimate present seaworthiness of your ship (e.g. how immediate is the danger due to flooding or fire).
11. Briefly describe your ship, giving ship name (i.e., "Blue Duck is 32 foot cabin cruiser, white hull, blue deck house").
12. Say: "**I WILL BE LISTENING ON CHANNEL 16.**"
13. End the message by saying "**THIS IS** {name or call sign of your boat}**, OVER.**"
14. Release the ***PUSH TO TALK*** button and listen.
15. If you do not get an answer after 30 seconds, repeat your call beginning at step 3 above.

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Introduction

The **Atlantis 200** is a waterproof, portable two-way VHF transceiver. It is compact, lightweight, rugged and fits easily in your hand.

This handheld VHF marine radio will give you consistent, outstanding performance in virtually all conditions and situations.
To ensure that you get the most from the **Atlantis 200's** features, please read this operating guide carefully before using the unit.

Features

- Triple Watch Mode
- Priority Channel Startup (Channel 16)
- Programmable Memory
- One-Touch Channel 16/9
- 10 Weather Channels
- Weather Alert
- Memory Scan
- USA, International, and Canadian Channels
- Operates from 6 rechargeable NiMH AAA batteries (included)
- Optionally operates from 6 AAA alkaline batteries (not included)
- Battery Save Operation
- Battery Level Indicator and Battery Low Alert — sounds every 5 seconds at Level 0 (flashing)
- Key Lock
- Backlit Keys and Display
- Belt Clip
- Wrist Strap
- TX Power 1W/3.5W
- Optional external Speaker and Mic usable

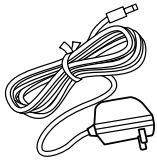
Included in Your Package

ATLANTIS 200

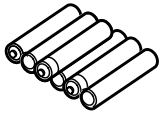
Antenna
(HH-9408)

Wrist Strap
(XX-XXXX)

Belt Clip
(XX-XXXX)



AC Adapter
(AD-0003)



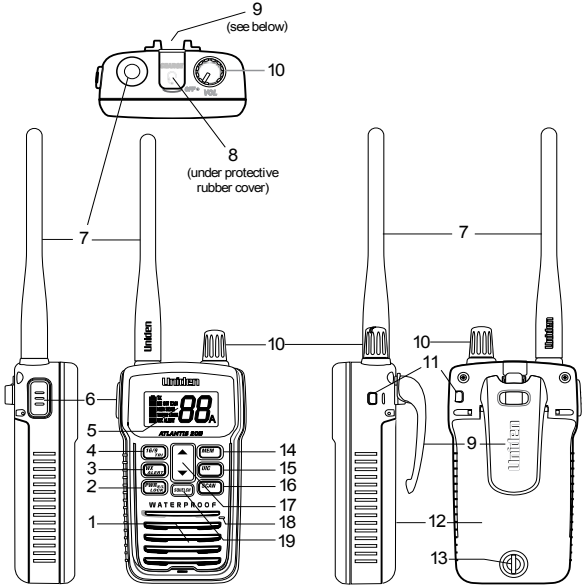
6 AAA NiMH
Rechargeable Batteries
(BT-873)

Owners Manual (Not Shown)

NOTE

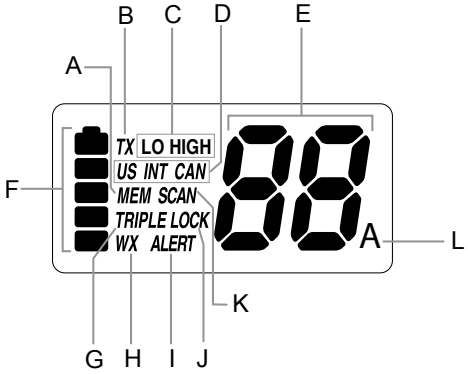
If any of these items are missing or damaged, contact Uniden Customer Service (see back cover for contact information). For information on available accessories, visit www.uniden.com.

Controls and Indicators



1. Speaker
2. PWR H/L - LOCK Key (H: 3.5W)
3. WX - ALERT Key
4. 16/9 - TRI Key
5. LCD Display
6. PTT Button
7. Antenna
8. Multifunction Jack (Ext. Speaker/Headphone/CHARGE)
9. Belt Clip
10. On/Off/Vol Knob
11. Lanyard Hole
12. Battery Case Cover
13. Battery Case Cover Screw
14. MEM Key
15. UIC Key
16. SCAN Key
17. Up/Down Channel Selector
18. Microphone
19. SQUELCH Key

LCD Display



A. Memory Indicator
B. Transmit Indicator
C. LO/HIGH (1W/3.5W) Power Indicator
D. United States/International/Canada (INT/INT/CAN) Indicator
E. Channel Number Display Channel A Indicator
F. Battery Indicator
G. Triple Watch Indicator
H. Weather Mode Indicator
I. Weather Alert Indicator
J. Key Lock Indicator
K. Scan Indicator
L. Channel A Indicator

Getting Started

Attaching the Antenna

1. Place antenna over antenna stub.
2. Thread antenna clockwise until fully seated against mounting base. Hand tighten only.

NOTE Be sure the antenna is firmly seated.

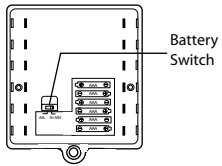
Set Battery Type

Your radio comes set to Ni-MH and with 6 Ni-MH batteries installed.

CAUTION

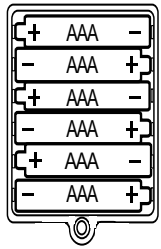
- Always set the battery switch to Alk. before installing alkaline batteries.
- Do not recharge alkaline batteries. Doing so can create a safety hazard or damage the radio.
- Always completely fasten screw to ensure a water tight seal

1. Unfasten battery case cover screw.
2. Lift cover and rotate up.
3. Remove 6 Ni-MH batteries.
4. Slide the switch to ALK. (or Ni-MH if replacing with NiMH batteries).



Install Batteries

1. Unscrew the battery case cover screw.
2. Lift up cover and rotate up.
3. Set the battery type (see above).
4. Install 6 NiMH or 6 alkaline (not included) batteries. Be sure to match the polarity (+ and -) as indicated on the battery compartment.
5. Close battery case cover and fasten screw.

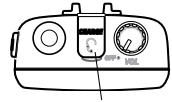


Charging Ni-MH Batteries

Your radio is powered by rechargeable NiMH (included) or non-rechargeable alkaline batteries (not included). Before operating your radio, charge the Ni-MH batteries for 16 hours without interruption using the multifunction jack (Ext. Speaker/Mic/Headphone/CHARGE) on top of the radio located under the rubber protective cap.

Make sure the battery switch is set to Ni-MH (see page 6). Also make sure Ni-MH batteries are installed in your radio. Make sure your radio is turned off. See note below.

1. Lift up the multifunction jack cover.
2. Plug one end of the AC adapter into the wall outlet and the other end into the multifunction jack.
3. Charge the battery for 16 hours.



Lift Up Protective Cap

Note: Waterproofing is not guaranteed when the cap is open and during charging.

NOTE

- The charger won't overcharge the batteries.
- Fully seat the rubber cap after charging.
- Be sure to turn your radio off before charging. It takes longer to charge if the radio is on.

Battery Level Display

When the unit is on, battery power is always indicated on the display. The Battery Level Meter always indicates the current battery voltage level. A Battery Level is indicated in 7 steps as 0 to 5 and shutdown.

In the case of levels 1-5, the number of the meter in which it is displayed is the same as each level. For example, in the case of a Level 1, only the indicator at the bottom of meter is displayed.

In the case of a level 0, the indicator at the bottom of meter blinks and the battery low alert sounds every 5 seconds. The radio shuts off 60 seconds later.

CAUTION

- Transmission is impossible if Battery Level 0 is detected when you press ***PTT***.
- As long as you press ***PTT***, an error tone sounds, TX and CH blink.
- Although the battery level is 0, it is possible to receive.

Battery Level	Icon	Battery Level	Icon
LEVEL 4 100% Full		LEVEL 3 Battery Approx.40% capacity	
LEVEL 0 Low Battery (flashing)*		LEVEL 0 Empty Battery (Shutdown)**	

*Note: Battery Low Alert sounds every 5 seconds and this condition results in power shutdown after 60 seconds.

**Note: Power off before charging.

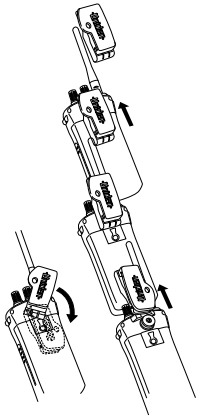
Attach and Remove Beltclip

To attach:

1. Position beltclip below its receptacle on the upper back side of the radio.
2. Slide the beltclip up into its receptacle until you hear it click. The belt-clip is firmly attached.

To remove:

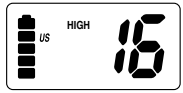
1. Turn the radio upside down.
2. Slide the beltclip up and out of its receptacle.



Operation

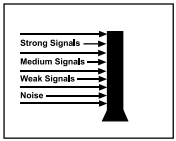
Turn On and Set Squelch

Your radio tunes to channel 16 — the United States Coast Guard frequency for distress, safety, and calling — automatically.

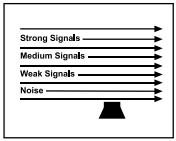


1. Turn ***VOL*** knob clockwise until you hear a beep.
2. Continue until you hear a hissing sound.
3. Press ***SQUELCH*** until the hissing stops.

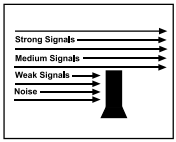
NOTE Make sure to first select a channel not in use before setting squelch.



Think of the squelch control as a gate. If you increase the squelch level to maximum, it raises the "Squelch Gate" so only the strongest signals get through.



If you decrease the squelch level to minimum, it lowers the "Squelch Gate"' to the extent that weak signals can get through.



If unwanted weak and noisy signals are getting through, increase the squelch level (raise the "Squelch Gate") to a medium level. Now only medium and strong signals get through.

Your radio's Squelch has 4 setting levels — level 0 (Monitor) to level 3 (Tight).

Setting Levels:

S0 - monitor mode

S1 - minimum squelch (default)

S2 - medium squelch

S3 - maximum (tight) squelch

1. Press ***SQUELCH***. displays and the current squelch level flashes.
2. Press ***SQUELCH*** while the squelch level displays in order to change the squelch level to the next level.

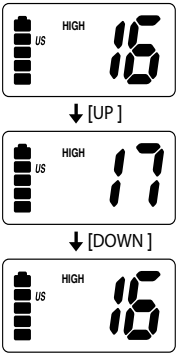
3. Press and hold ***SQUELCH*** to save and exit the squelch setting. The unit beeps twice on exit.

Selecting a Channel

After turning on your **radio**, press ▲ or ▼ to scroll though the channels individually.

1. To select a higher channel, press ▲.
2. To select a lower channel, press the ▼.

Press and hold ▲ or ▼ for more than 1 second to scroll rapidly through the channel numbers. Refer Refer to page 18 through page 24 for a list of the available channels, corresponding frequencies, and usage guidelines.



Change Channel Mode

Press and hold ***UIC*** to switch between USA, International, and Canadian Channel modes.

Transmitting and Receiving

The radio uses U.S., Canadian, and International Marine Channels. Refer to page 18 through page 24 for a list of the available channels and corresponding frequencies. The radio's maximum RF transmit power is 3.5 W (HIGH).

1. Hold the radio with microphone approximately 2 inches in front of your mouth with the antenna at approximately a 45° angle away from your head.
2. Speak in a clear, normal conversational voice.

One-touch Channel 16/9

While monitoring CH 20, press **16/9** to monitor CH 16.

Press **16/9** again to monitor CH 9.

Press **16/9** again to monitor the original channel (CH 20).

Triple Watch

Triple Watch mode monitors channels 16 and 9 for a signal while you listen to the currently-selected channel. The marine radio checks channel 16 and 9 for activity every 2 seconds.

1. Press and hold ***16/9/TRI*** to activate Triple Watch. TRIPLE displays.
2. Press and hold ***16/9/TRI*** again to exit Triple Watch. A double confirmation tone sounds and TRIPLE disappears.

NOTE

- While in Triple Watch mode, you can change the currently selected channel using the ▲ or ▼.
- A momentary press of ***16/9/TRI*** interrupts Triple Watch mode and the radio remains on channel 16. If you press ***16/9/TRI*** again, the radio remains on channel 9. To return to the Triple Watch mode, simply press the button again.

Monitoring Weather Channels

Your radio has 10 preprogrammed emergency/weather channel frequencies, shown on the display by 01 through 10.

1. To listen to the emergency/weather channels in your area, press the ***WX/ALERT*** button. WX appears on the display.
2. To move up, press ▲.
3. To move down, press ▼.
4. To exit, press the ***WX/ALERT*** button. WX disappears.

NOTE

To rapidly move through the channels, press and hold ▲ or ▼ for more than 1 second.

Emergency/Weather Alert

Emergency/Weather Alert allows your radi**o** to function as a severe weather warning radio and will also alert you to any local or national emergencies. If the NOAA issues a warning while this feature is turned On, the radio sounds an alert tone. You will then hear the emergency/ weather broadcast.

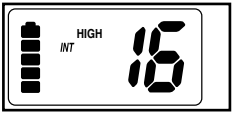
1. To use Emergency/Weather Alert, select the emergency/weather channel in your area.
2. Press and hold the ***WX/ALERT*** button for 2 seconds. A double confirmation tone sounds.

3. When the unit receives a WX Alert signal, it will sound a siren 3 times to let the user know of a serious impending WX condition.
4. If the radio detects a 1050 Hz tone, the radio's WX channel will flash along with WX and ALERT.

5. To turn off Emergency/Weather Alert, press and hold ***WX/ALERT*** for 2 seconds. A double confirmation tone sounds.
6. When Emergency/Weather Alert is activated, the highest priority is given to this function. If the unit is in Scan, Triple Watch, or any other mode or marine channels, it checks the weather alert signals every 7 seconds and switches to the warning receive mode automatically.

USA, International and Canadian Channels

The **radio** is initially set for International (INT) marine channels when you first turn on your radio.



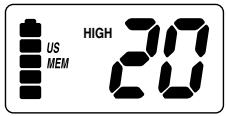
1. To listen to Canadian marine channels, press the ***UIC*** button once. CAN appears on the display. To listen to United States marine channels, press the ***UIC*** button again. US appears on the display.

2. The radio will keep the last mode setting that was selected when turned back on.
3. For USA, International, and Canadian marine channels and functions, refer to the tables starting on page 19.

Programming a Channel into Memory

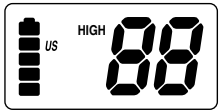
Before scanning, you must have channels programmed in memory.

1. Press ▲ or ▼ to select a channel.
2. Press ***MEM*** to store the channel. MEM appears on the display.



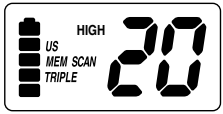
Deleting a Channel from Memory

1. Press ▲ or ▼ to select a channel.
2. Press the ***MEM*** button. MEM disappears.



Scanning

1. To begin scanning the programmed channels, press ***SCAN***. SCAN and TRIPLE appear.
2. To stop scanning, press ***SCAN*** again. SCAN and TRIPLE disappear from the display.



- Scanning starts from the lowest to highest channel and stops when it finds an active channel. It remains on that channel until the transmission ends, then resumes scanning after a 2 second delay period.
- When in the scan mode, the unit automatically activates the Triple Watch feature. To deactivate Triple Watch from the scanning mode, press and hold ***16/9/TRI*** for 2 seconds. TRIPLE disappears from the display.

NOTE

Transmit

1. Transmission power can be set to 3.5W or 1W. Press ***PWR H/L-LOCK*** to make the change. The HIGH or LO indicator on the displays accordingly.
2. To transmit, press and hold ***PTT*** (push-to-talk). TX appears on the display.
3. To return to receive, release ***PTT***. TX disappears.

- If you press ***PTT*** for more than 3 minutes, TX starts blinking and the transmission ends. The TX time out tone sounds when you release ***PTT***.
- If the battery indicator Level 0 is flashing when you press ***PTT***, the radio will not transmit and the TX icon flashes. (see page 6).

NOTE

Lighted Keys and Display

To light the display, press any key except ***PTT***.

If you press any key except ***PTT*** while the display and keypad are illuminated, they remain illuminated for 10 seconds.

NOTE

Enable or Disable Key Beep

Your radio beeps each time you press a key except ***PTT***.

1. To enable key beep, turn the radio off and then on again while pressing and holding the ▲ or ▼ buttons.
2. To disable key beep, turn the radio off and then on again while pressing and holding the ▲ or ▼ buttons.

Key Lock

To prevent accidental entries, you can lock the keypad.

1. Press and hold ***LOCK*** for 2 seconds. A double confirmation tone sounds. LOCK appears on the display.
2. To unlock, press and hold ***LOCK*** for 2 seconds again. A double beep sounds and LOCK disappears.

NOTE

The radio retains Key Lock status even when you cycle power on/off. To unlock the keypad, press and hold ***LOCK*** again for 2 seconds. LOCK disappears.

Maintenance & Troubleshooting

Due to its rugged design, your radio requires very little maintenance. However, it is a precision electronic instrument, so you should follow a few precautions:

- If the antenna has been damaged, do not transmit except in an emergency situation. Transmitting with a defective antenna may cause further radio damage.
- You are responsible for continued FCC technical compliance of your radio.
- You should arrange for periodic performance checks with your Uniden dealer.

Common Questions

Problem	Things to Try
The radio won't turn on.	Charge the radio.
The radio does not charge.	• Make sure the Battery Switch is in the Ni-MH position (refer to page 6). • Make sure you installed NiMH batteries. • Make sure the AC adapter is fully connected to the multifunction jack. • Replace the batteries.
The radio won't transmit.	• Make sure you are not in scan mode. • Make sure you are not trying to transmit on a receive-only channel or transmit at the wrong power level for this channel (see the channel lists starting on page 18 through page 24). • Check the battery power level; charge the battery before trying to transmit. • Make sure the duration of each transmission is less than 3 minutes.

Specifications

General	
Channels	All US/International/Canada marine channels
	10 Weather channels
Frequency Range	156 ~ 164 MHz
Frequency Control	PLL
Frequency Tolerance	Transmit: 1.5 PPM (at 77°F/25°C)
	Receive: 1.5 PPM (at 77°F/25°C)
Operational Temperature	-4°F (-20°C) to +122°F(+50°C)
Antenna	Flexible
Antenna Impedance	50Ω

Microphone	Built-in Electret type
Display	Liquid Crystal Display
Speaker	16Ω, 0.2 W-(Rated)
Power Source	6 AAA rechargeable NiMH batteries 1.2V , 800mAh x 6 (7.2V) 6 AAA alkaline batteries (optional) 1.5V x 6 (9V)
Size (without antenna)	4.5 (H) x 2.5 (W) x 1.22 (D) inch 116 (H) x 63 (W) x 31 (D) mm
Weight	15.2 oz (430g)
Transmitter	
Frequency Range	156~158 MHz
Frequency Tolerance	±0.5 PPM; ±2.5 PPM (maximum at 25°C)
Frequency Stability	±3 PPM; ±10 PPM (maximum)
Power Output	1.0 W & 3.5W
Spurious Emissions	-36 dBc (1W or 3.5W); -18 dBm
Current Drain	650 mA (1W), 1200 mA (3.5W)
Receiver	
Type	Double Conversion Super Heterodyne Phase Locked Loop system for Local Osc.
Frequency Range	156~164 MHz
Sensitivity	0.25 µV for 12dB SINAD
Squelch Sensitivity	Threshold: 0.15µV; 0.30 (maximum) Tight: 0.35µV; 2.0 (maximum)
Audio Frequency Resp.	+6 dB @ 500 Hz -6 dB @ 2000 Hz
Adjacent Chan. Selectivity	79 dB @ ±25 kHz
Hum & Noise Ratio	53 dB (35 minutes)
Audio Output Power	0.16 W @10% THD
Current Drain	Squelched: 45 mA; Max. Audio: 160 mA

Specifications shown are typical and subject to change without notice.

Marine Channels

United States Channels

United States Marine Channels				
Ch	**RX Freq**	**TX Freq**	**Status**	**Name**
1A	156.050	156.050	Simplex	Vessel traffic system/commercial
5A	156.250	156.250	Simplex	Vessel traffic system/commercial
6	156.300	156.300	Simplex	Inter-ship safety
7A	156.350	156.350	Simplex	Commercial
8	156.400	156.400	Simplex	Commercial
9	156.450	156.450	Simplex	Non commercial
10	156.500	156.500	Simplex	Commercial
11	156.550	156.550	Simplex	Vessel traffic system
12	156.600	156.600	Simplex	Vessel traffic system
13	156.650	156.650	Simplex, 1W	Bridge to bridge
14	156.700	156.700	Simplex	Vessel traffic system
15	156.750	Inhibit	Receive only	Environmental
16	156.800	156.800	Simplex	Distress, safety, and calling
17	156.850	156.850	Simplex, 1W	Govt maritime control
18A	156.900	156.900	Simplex	Commercial
19A	156.950	156.950	Simplex	Commercial
20	161.600	157.000	Duplex	Port operation
20A	157.000	157.000	Simplex	Port operation
21A	157.050	157.050	Simplex	Coast guard only
22A	157.100	157.100	Simplex	Coast guard
23A	157.150	157.150	Simplex	Coast guard only
24	161.800	157.200	Duplex	Marine operator
25	161.850	157.250	Duplex	Marine operator
26	161.900	157.300	Duplex	Marine operator
27	161.950	157.350	Duplex	Marine operator
28	162.000	157.400	Duplex	Marine operator
63A	156.175	156.175	Simplex	Vessel traffic system
65A	156.275	156.275	Simplex	Port operation

United States Marine Channels				
Ch	**RX Freq**	**TX Freq**	**Status**	**Name**
66A	156.325	156.325	Simplex	Port operation
67	156.375	156.375	Simplex, 1W	Bridge To Bridge
68	156.425	156.425	Simplex	Non Commercial
69	156.475	156.475	Simplex	Non Commercial
70	156.525	Inhibit	Receive only	Digital Selective Calling
71	156.575	156.575	Simplex	Non Commercial
72	156.625	156.625	Simplex	Non Commercial (Ship-Ship)
73	156.675	156.675	Simplex	Port Operation
74	156.725	156.725	Simplex	Port Operation
75	156.775	156.775	Simplex, 1W	Port Operation
76	156.825	156.825	Simplex, 1W	Port Operation
77	156.875	156.875	Simplex, 1W	Port Operation (Ship-Ship)
78A	156.925	156.925	Simplex	Non Commercial
79A	156.975	156.975	Simplex	Commercial
80A	157.025	157.025	Simplex	Commercial
81A	157.075	157.075	Simplex	Coast Guard
82A	157.125	157.125	Simplex	Coast Guard
83A	157.175	157.175	Simplex	Government
84	161.825	157.225	Duplex	Marine Operator
85	161.875	157.275	Duplex	Marine Operator
86	161.925	157.325	Duplex	Marine Operator
87	157.375	157.375	Simplex	Marine Operator
88	157.425	157.425	Simplex	Commercial (Ship-Ship)

Canada Channels

Canadian Marine Channels				
Ch	**RX Freq**	**TX Freq**	**Status**	**Name**
1	160.650	156.050	Duplex	Marine Operator
2	160.700	156.100	Duplex	Marine Operator

Canadian Marine Channels				
Ch	**RX Freq**	**TX Freq**	**Status**	**Name**
3	160.750	156.150	Duplex	Marine Operator
4A	156.200	156.200	Simplex	Canadian Coast Guard
5A	156.250	156.250	Simplex	Vessel Traffic System
6	156.300	156.300	Simplex	Inter-Ship Safety
7A	156.350	156.350	Simplex	Commercial
8	156.400	156.400	Simplex	Commercial
9	156.450	156.450	Simplex	Boater Calling Channel
10	156.500	156.500	Simplex	Commercial
11	156.550	156.550	Simplex	Vessel Traffic System
12	156.600	156.600	Simplex	Vessel Traffic System
13	156.650	156.650	Simplex, 1W	Bridge To Bridge
14	156.700	156.700	Simplex	Vessel Traffic System
15	156.750	156.750	Simplex, 1W	Environmental
16	156.800	156.800	Simplex	Distress, safety, calling
17	156.850	156.850	Simplex, 1W	State Control
18A	156.900	156.900	Simplex	Commercial
19A	156.950	156.950	Simplex	Canadian Coast Guard
20	161.600	157.000	Duplex, 1W	Port Operation
21A	157.050	157.050	Simplex	Canadian Coast Guard
22A	157.100	157.100	Simplex	Canadian Coast Guard
23	161.750	157.150	Duplex	Canadian Coast Guard
24	161.800	157.200	Duplex	Marine Operator
25	161.850	157.250	Duplex	Marine Operator
26	161.900	157.300	Duplex	Marine Operator
27	161.950	157.350	Duplex	Marine Operator
28	162.000	157.400	Duplex	Marine Operator
60	160.625	156.025	Duplex	Marine Operator
61A	156.075	156.075	Simplex	Canadian Coast Guard
62A	156.125	156.125	Simplex	Canadian Coast Guard
63A	156.175	156.175	Simplex	Port Operation
64	160.825	156.225	Duplex	Marine Operator

Canadian Marine Channels				
Ch	**RX Freq**	**TX Freq**	**Status**	**Name**
64A	156.225	156.225	Simplex	Port Operation
65A	156.275	156.275	Simplex	Port Operation
66A	156.325	156.325	Simplex, 1W	Port Operation
67	156.375	156.375	Simplex	Bridge To Bridge
68	156.425	156.425	Simplex	Non Commercial
69	156.475	156.475	Simplex	Non Commercial
70	156.525	Inhibit	Receive only	Digital Selective Calling
71	156.575	156.575	Simplex	Non Commercial
72	156.625	156.625	Simplex	Non Commercial
73	156.675	156.675	Simplex	Port Operation
74	156.725	156.725	Simplex	Port Operation
75	156.775	156.775	Simplex, 1W	Port Operation
76	156.825	156.825	Simplex, 1W	Port Operation
77	156.875	156.875	Simplex, 1W	Port Operation
78A	156.925	156.925	Simplex	Inter Ship
79A	156.975	156.975	Simplex	Inter Ship
80A	157.025	157.025	Simplex	Inter Ship
81A	157.075	157.075	Simplex	Canadian Coast Guard
82A	157.125	157.125	Simplex	Canadian Coast Guard
83	161.775	157.175	Duplex	Canadian Coast Guard
83A	157.175	157.175	Simplex	Canadian Coast Guard
84	161.825	157.225	Duplex	Marine Operator
85	161.875	157.275	Duplex	Marine Operator
86	161.925	157.325	Duplex	Marine Operator
87	157.375	157.375	Simplex	Port Operation
88	157.425	157.425	Simplex	Port Operation

International Channels

International Marine Channels				
Ch	**RX Freq**	**TX Freq**	**Status**	**Name**
1	160.650	156.050	Duplex	Marine operator
2	160.700	156.100	Duplex	Marine operator
3	160.750	156.150	Duplex	Marine operator
4	160.800	156.200	Duplex	Marine operator
5	160.850	156.250	Duplex	Marine operator
6	156.300	156.300	Simplex	Inter-ship safety
7	160.950	156.350	Duplex	Marine operator
8	156.400	156.400	Simplex	Commercial (ship-ship)
9	156.450	156.450	Simplex	Boater calling channel
10	156.500	156.500	Simplex	Commercial
11	156.550	156.550	Simplex	Vessel traffic system
12	156.600	156.600	Simplex	Vessel traffic system
13	156.650	156.650	Simplex	Bridge to bridge
14	156.700	156.700	Simplex	Vessel traffic system
15	156.750	156.750	Simplex, 1W	Environmental
16	156.800	156.800	Simplex	Distress, safety, calling
17	156.850	156.850	Simplex, 1W	Govt maritime control
18	161.500	156.900	Duplex	Port operation
19	161.550	156.950	Duplex	Commercial
20	161.600	157.000	Duplex	Port operation
21	161.650	157.050	Duplex	Port operation
22	161.700	157.100	Duplex	Port operation
23	161.750	157.150	Duplex	Marine operator
24	161.800	157.200	Duplex	Marine operator
25	161.850	157.250	Duplex	Marine operator
26	161.900	157.300	Duplex	Marine operator
27	161.950	157.350	Duplex	Marine operator
28	162.000	157.400	Duplex	Marine operator
60	160.625	156.025	Duplex	Marine operator

International Marine Channels				
Ch	**RX Freq**	**TX Freq**	**Status**	**Name**
61	160.675	156.075	Duplex	Marine operator
62	160.725	156.125	Duplex	Marine operator
63	160.775	156.175	Duplex	Marine operator
64	160.825	156.225	Duplex	Marine operator
65	160.875	156.275	Duplex	Marine operator
66	160.925	156.325	Duplex	Marine operator
67	156.375	156.375	Simplex	Bridge to bridge
68	156.425	156.425	Simplex	Non commercial
69	156.475	156.475	Simplex	Non commercial
70	156.525	Inhibit	Receive only	Digital Selective Calling
71	156.575	156.575	Simplex	Non commercial
72	156.625	156.625	Simplex	Non commercial
73	156.675	156.675	Simplex	Port operation
74	156.725	156.725	Simplex	Port operation
75	156.775	156.775	Simplex, 1W	Port operation
76	156.825	156.825	Simplex, 1W	Port operation
77	156.875	156.875	Simplex	Port operation (ship-ship)
78	161.525	156.925	Duplex	Port operation
79	161.575	156.975	Duplex	Port operation
80	161.625	157.025	Duplex	Port operation
81	161.675	157.075	Duplex	Port operation
82	161.725	157.125	Duplex	Port operation
83	161.775	157.175	Duplex	Port operation
84	161.825	157.225	Duplex	Marine operator
85	161.875	157.275	Duplex	Marine operator
86	161.925	157.325	Duplex	Marine operator
87	157.375	157.375	Simplex	Marine operator
88	157.425	157.425	Simplex	Marine operator

Weather Channels

Weather Channels		
Channel No.	**RX Frequency (MHz)**	**TX Frequency (MHz)**
1	RX ONLY	162.55
2	RX ONLY	162.4
3	RX ONLY	162.475
4	RX ONLY	162.425
5	RX ONLY	162.45
6	RX ONLY	162.5
7	RX ONLY	162.525
8	RX ONLY	161.65
9	RX ONLY	161.775
10	RX ONLY	163.275

Regulations and Safety Warnings

WARNING! Read this information before using the radio.

RBRC Information

As part of our commitment to protect the environment and conserve natural resources, Uniden voluntarily participates in an RBRC® industry program to collect and recycle used Ni-MH batteries within the US.

Please call 1-800-8-BATTERY for information on Ni-MH battery recycling in your area. (RBRC® is a registered trademark of the Rechargeable Battery Recycling Corporation.)

Maritime Radio Services Operation

Warning! This transmitter will operate on channels/frequencies that have restricted use in the United States. The channel assignments include frequencies assigned for exclusive use of the U.S. Coast Guard, use in Canada, and use in international waters. Operation on

these frequencies without proper authorization is strictly forbidden. See page 18 through page 24 for tables of the available channels and their uses. If you are still not certain which channels to use, see the FCC maritime radio page at the FCC website (**http://wireless.fcc.gov/marine/**) or contact the FCC Call Center at 1-888-CALL-FCC. For individuals requiring a license, such as commercial users, you should obtain a license application from your nearest FCC field office (for US users) or Industry Canada (for Canadian users).

Basic Radio Guidelines

You should familiarize yourself with the rules on marine radios and be aware of which rules apply to your boat. Complete guidelines for all ship and marine radio types can be found at the US Coast Guard website under the topic Radio Info for Boaters (the direct link is: **http://www.navcen.uscg.gov/marcomms/boater.htm**). Here are a few guidelines that affect nearly all boaters:

- If you have a VHF radio on your boat, you must maintain a watch on channel 16 (156.800 MHz) whenever the radio is not being used to communicate. Starting in 2004, if a radio is carried, it must be on and set to channel 16 whenever your boat is underway.
- If you hear a distress call, wait a few minutes to let a shore station or Coast Guard vessel respond. If no other station has responded after 5 minutes, you must respond to the distress call.
- Do not make false mayday or distress calls as a prank or to test your radio. (This is essentially like making a false 9-1-1 call; you may be subject to fines.)

FCC/Industry Canada Information

- Certification: FCC Part 80 or RSS-182
- Output Power: 3.5W
- Emission: 16K0F3E
- Transmitter Frequency Range: 156.025-157.425 MHz

This device complies with Part 15 of the FCC Rules. Operation is

subject to the condition that this device does not cause harmful interference.

Unauthorized changes or modifications to this equipment may void compliance with the FCC Rules. Any change or modification must be approved in writing by Uniden. Changes or modifications not approved by Uniden could void the user's authority to operate the equipment.

FCC RF Exposure Information

In August 1996 the Federal Communications Commission (FCC) of the United States with its action in Report and Order FCC 96-326 adopted an updated safety standard for human exposure to radio frequency electromagnetic energy emitted by FCC regulated transmitters. Those guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies. The design of the radio complies with the FCC guidelines and these international standards.

Never allow children to operate the radio without adult supervision and the knowledge of the following guidelines.

WARNING! It is up to the user to properly operate this radio transmitter to insure safe operation. Please adhere to the following:

- Use only the supplied or an approved antenna. Unauthorized antennas, modifications, or attachments could impair call quality, damage the radio, or violate FCC regulations.
- Do not use the radio with a damaged antenna. If a damaged antenna comes into contact with the skin, a minor burn may result. Please contact your local dealer for a replacement antenna.

RF Exposure Information

For hand-held operation, the radio should be held 1 inch from the user's face. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements and should be avoided. For more information about RF exposure, please visit the FCC website at **www.fcc.gov**.

Avoid exposing the batteries (whether attached to the radio or not) to direct sunlight, heated cars, or temperatures below -4°F (-20°C) or above +140°F (+60°C). Exposing the chemical contained within the batteries to temperatures above +140°F (+60°C) may cause the battery to rupture, fail, or reduce performance.

In case of exposure to the cell contents, wash the affected area thoroughly, and seek medical attention.

Body-worn Operation

This device was evaluated for body-worn operations with the supplied belt-clip accessory. (All necessary accessories are included in the package; any additional or optional accessories are not required for compliance with the guidelines.) Third party accessories (unless approved by the manufacturer) should be avoided as these might not comply with FCC RF exposure guidelines.

For more information about RF exposure, please

visit the FCC web site at www.fcc.gov.

Three Year Limited Warranty

WARRANTOR: UNIDEN AMERICA CORP. ("Uniden")

ELEMENTS OF WARRANTY: Uniden warrants, for three years, to the original retail owner, this Uniden Product to be free from defects in materials and craftsmanship with only the limitations or exclusions set out below.

WARRANTY DURATION: This warranty to the original user shall terminate and be of no further effect 36 months after the date of original retail sale. The warranty is invalid if the Product is (A) damaged or not maintained as reasonable or necessary, (B) modified, altered, or used as part of any conversion kits, subassemblies, or any configurations not sold by Uniden, (C) improperly installed, (D) serviced or repaired by someone other than an authorized Uniden service center for a defect or malfunction covered by this warranty, (E) used in any conjunction with equipment or parts or as part of any system not manufactured by Uniden, or

(F) installed or programmed by anyone other than as detailed by the Operating Guide for this product.

STATEMENT OF REMEDY: In the event that the product does not conform to this warranty at any time while this war-ranty is in effect, warrantor will repair the defect and return it to you without charge for parts, service, or any other cost (except shipping and handling) incurred by warrantor or its representatives in connection with the performance of this warranty. THE LIMITED WARRANTY SET FORTH ABOVE IS THE SOLE AND ENTIRE WARRANTY PERTAINING TO THE PRODUCT AND IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES OF ANY NATURE WHATSOEVER, WHETHER EXPRESS, IMPLIED OR ARISING BY OPERATION OF LAW, INCLUDING, BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS WARRANTY DOES NOT COVER OR PROVIDE FOR THE REIMBURSEMENT OR PAYMENT OF INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow this exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you.

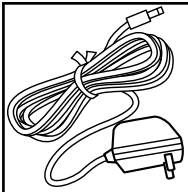
LEGAL REMEDIES: This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. This warranty is void outside the United States of America.

PROCEDURE FOR OBTAINING PERFORMANCE OF WARRANTY: If, after following the instructions in this Operating Guide you are certain that the Product is defective, pack the Product carefully (preferably in its original packaging). Include evidence of original purchase and a note describing the defect that has caused you to return it. The Product should be shipped freight prepaid, by traceable means, or delivered, to warrantor at:

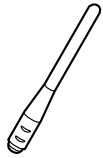
Uniden America Corporation
Parts and Service Division
4700 Amon Carter Boulevard
Fort Worth, TX, 76155

(800) 554-3988

Optional and Replacement Parts

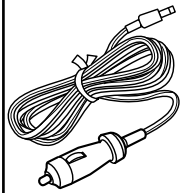


AC Adapter
(AD-0003)



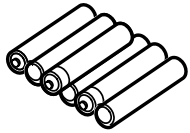
Antenna
(HH9408)

Wrist Strap
(XX-XXXX)



DC Adapter
(XX-XXXX)

Belt-Clip
(XX-XXXX)



6 AAA NiMH
Rechargeable Batteries
(BT-873)

Uniden Parts Department
(800) 554-3988
Hours: M-F 8:00AM to 5:00PM CST
We can also be reached on the web at
www.uniden.com

QUESTIONS?
Visit our website at
www.uniden.com or
call 1-800-297-1023.

QUESTIONS?
Contactez-nous au
www.uniden.com ou
appelez 1-800-297-1023.

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